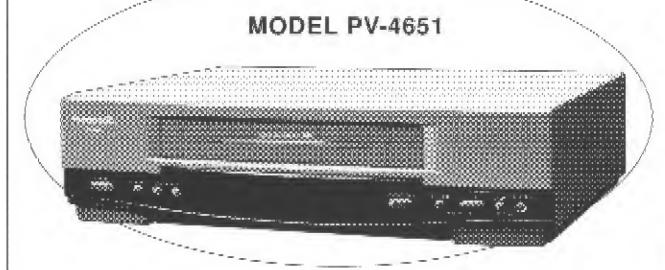
Thank you for choosing

Panasonic VHS Omnivision VHS



Video Cassette Recorder

Operating Instructions

Please read these instructions carefully before aftempting to connect, operate or adjust this product and save this manual. Spanish Quick Use Guide is included. Guia para rápida consulta en español está include.

Things You Should Know

Congratulations

on your purchase of one of the most sophisticated and reliable products on the market today. Used properly, we're sure it will bring you and your family years of enjoyment. Please take time to fill in the information at right. The serial number is on the tag located on the back of your VCR. You'll want to keep this manual handy as your convenient VCR information source.

Date of Purchase	
Dealer Purchased From	
Dealer Address	
Dealer Phone No	
Model No. PV-4651	
Serial No	

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture. This video recorder, equipped with the HQ (High Quality) System, is compatible with existing VHS equipment.

Only use those tapes with the **YHS** mark. It is recommended that only cassette tapes that have been tested and inspected for use in 2, 4, 6, and 8 hour VCR machines be used.

FCC Warning: Any unauthorized changes or modofications to this equipment would void the user's authority to operate.



IEFER SERVICING TO QUALIFIED SERVICE PERSONNEL



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.

This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

Table of Contents

Important Safeguards and Precautions
Connections Basic Connection (Antenna and VCR, VCR and TV)
Getting Started One Time VCR Setup (On-screen Language, Channel Memory, Clock Set)
Basic Operation Playback a Tape (Main Operation, Special Effects, Quality Picture Features)
More You Can Do Copying Your Tapes (Dubbing) (Connection, Main Operation, Monitoring)
Timer Recording (Main Operation, Cancel-Clear or Replace, Program Contents)
Other Information Before Requesting Service (Self-check items)

Important Safeguards and Precautions

INTRODUCTION

Careful attention has been given to this Video product to assure a quality standard devoted to your safety and enjoyment. This quality standard together with your personal responsibility for the safety of yourself and others, will contribute to your enjoyment. This Video product uses electrical energy and requires proper handling at all times.

CAUTION

READ AND RETAIN THE SAFETY AND OPERATING INSTRUCTIONS To make full use of the safeguards incorporated in this unit, read and follow this basic guide, adopted in part from Underwriter's Laboratories Standard 1409, Second Edition, before operating this Video product.

FOLLOW THE INSTRUCTIONS AND BE SURE TO HEED ALL WARNINGS on unit and in the manual, for easy maintenance, proper and trouble free operation of this Video product.

INSTALLATION

OPERATE FROM A POWER SOURCE INDICATED on this
Video product, or in this Manual. Your Electric Utility Service
Company or Video Products Dealer will be happy to verify
the power source in your home.
 THE GROUNDED OR POLARIZED PLUG IS A SAFETY FEATURE

THE GROUNDED OR POLARIZED PLUG IS A SAFETY FEATURE This Video product may be equipped with either a polarized 2-wire AC line plug or a 3- wire grounding type plug. The two wire polarized plug (having one blade wider than the other) will fit into the power outlet only one way. If it is a three wire grounding type plug (having a third pin), it will fit into a grounding type outlet.

grounding type outlet.
DO NOT DEFEAT THE SAFETY PURPOSE OF THE GROUNDED OR POLARIZED PLUG by tampering with it. If the plug does not fit fully into the socket, try reversing it. If you should still be unable to fully insert the plug into the socket, you may find that a proper outlet is needed to meet today's Electrical Standards. An electrician will replace your outlet safely.

B. POWER SUPPLY CORDS SHOULD BE PROTECTED and routed so that they are not likely to have anything rest on them, roll over them, or be subject to walking traffic or abuse: particularly at plug-ins, convenience receptacles, or cord exit points from the unit. Where an extension is needed, use a grounded or polarized cord. HAZARDOUS FRAYED CORDS OR DAMAGED PLUGS SHOULD BE REPLACED BY A QUALIFIED SERVICE TECHNICIAN.
OVERLOADED WALL OUTLETS AND EXTENSION

OVERLOADED WALL OUTLETS AND EXTENSION CORDS PRESENT DANGEROUS RISKS OF FIRE OR ELECTRICAL SHOCK.

4. AVOID BLOCKING VENTILATION HOLES

Your video unit has ventilation openings in its cabinet to release heat generated during operation. Blocking these opening can cause heat build-up inside the unit, causing failure that may result in a fire hazard or heat damage to cassettes. For protection:

 a. Never cover the bottom ventilation slots or the unit with soft material, or operate the unit placed on a bed, sofa, rug, or soft accessory.

 Avoid built-in installations, such as a bookcase or rack, unless proper ventilation is provided.

5. AVOID EXTREMELY HOT LOCATIONS OR SUDDEN CHANGES IN TEMPERATURE such as placing the unit

near or over a radiator, in direct sunlight, closed vehicles, or transporting it suddenly between areas of extreme temperature variation.

If the unit is suddenly moved from a cold place to a warm place, moisture may form on the tape and inside the unit.

TO AVOID INJURY TO A CHILD, ADULT;
 OR COSTLY DAMAGE:

Do not place unsecured equipment on a sloping surface or any heavy object or unit.

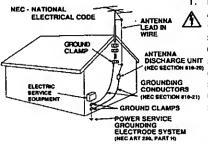
(I so the unit is a beginning position and do not also as a local document.)

(Use the unit in a horizontal position and do not place anything heavy on it.)

b. Support for the unit should be adequately firm, level, and strong. Replace any unstable cart, table or support. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

 c. Carefully follow all operating instructions and use the manufacturer's recommended accessories when operating this unit or connecting it to any other equipment.

OUTSIDE ANTENNA, EQUIPMENT, AND POWERLINE EXPOSURE



1. INSURE SAFE ANTENNA
AND CABLE CONNECTIONS
If an outside antenna or cable
system is connected to the
equipment, be sure the
antenna or cable system is
grounded so as to provide
sconductores
secretion energy
in clamps
in clamps
service
sing operating
service
service
sing operating
service
service
service
service
service
service
sing operating
service
s

70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

requirements for the grounding electrode.

2. ELIMINATE ANTENNA PROXIMITY TO HIGH VOLTAGE POWER SOURCES, OR CHANCE OF ACCIDENTAL CONTACT BY INSTALLER An outside antenna system should be located where it will never be reached by power lines, electric light or power circuits and where it will never contact these power sources if it falls. Installer should use extreme care to avoid possible fatal contact by touching power lines, circuits or other power sources when installing an outside antenna.

USE

AFTER STORING OR WHEN MOVING THE UNIT, REFER TO THE INSTALLATION SECTION OF THE SAFEGUARDS.

1. DO NOT USE THIS VIDEO UNIT NEAR WATER: around bathtubs, sinks, laundry, wet basement, swimming pool or any water source.

2. USE ACCESSORIES RECOMMENDED ONLY BY THE

MANUFACTURER to avoid risk of fire, shock or other hazards.

3. UNPLUG ALL EQUIPMENT EXPOSED TO RAIN, MOISTURE, OR STRONG IMPACT AND GET A QUALIFIED INSPECTION

1. VOICE OF THE PROPERTY OF T

If your unit has been exposed to rain, water, excessive moisture, or subjected to strong impact, unplug it and have it inspected by a service technician before use.

4. UNPLUG UNUSED UNIT, AND ALL EQUIPMENT DURING A STORM
During a lightning storm, when indoors or outdoors, or before leaving unit unused for extended periods of time, disconnect all equipment from power source, antenna and cable system.

5. UNPLUG ALL EQUIPMENT BEFORE CLEANING. After unit has been unplugged use a dry, clean, chemically untreated cloth. Use no cleaning fluids, aerosols, or forced air that could over-spray, or soak into the unit, and cause electrical shock. Any substance such as wax, adhesive tape, etc. may affect the cabinet surface.

Exposure to greasy, humid, or dusty greas, may affect internal parts.

Exposure to greasy, humid, or dusty areas may affect internal parts.

6. WHEN PLUGGED-IN: KEEP WATER AWAY; NO FINGERS
INSIDE NOR ANY OBJECTS INSIDE; AND NO MAGNETS OR
ELECTRICAL INTERFERENCE NEARBY.

a. Never operate the unit if liquid has been spilled into it. Immediately unplug the unit, and have it inspected by a service technician. Fire and shock hazards can result from electrical shorts caused by liquid contact inside.

 Caution the children about dropping or pushing objects into the unit. Some parts inside carry hazardous voltages and contact can cause electric shock. Objects dropped in electrical equipment can cause fire hazards.

c. Separate the unit from any interference causing appliances. Placing the unit directly above or below your TV set may cause electrical interference. Keep all magnets away from electronic equipment.

SERVICE

DO NOT ATTEMPT TO SERVICE THIS PRODUCT YOURSELF. If this Video product does not operate as described, when the detailed Operating Instructions are followed, do not attempt to open or remove covers, or make any adjustments not described in the manual. Attempting to service this unit yourself may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

 CHECK ON REPLACEMENT PARTS REQUIRED. Be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutes may result in fire, electric shock or other hazards.

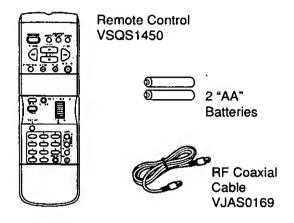
3. HAVE TECHNICIAN PERFORM SAFETY CHECK described in the manufacture's service literature, after any service or repairs, to determine that the Video unit is in safe operating order.

Unpacking Your VCR and Features

Unpacking Your VCR

The accessories shown below are provided to help you use or set up your VCR.
Optional accessories are also listed.

Accessories

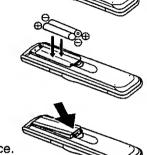


Optional Accessories

1/2" Video Cassette Tape

Load the batteries in the Remote Control

- I Lift off the lid after pressing in and up on the latch with your thumb nail or other narrow object.
- 2 Install two batteries as indicated inside the Battery Compartment.
- Fit the lid's hinge piece into the indent on the case, and snap lid into place.



Battery replacement caution

• Do not mix old and new batteries. (Also, never mix alkaline with manganese batteries.)

Product Features

All Channel Auto Set/ 181-CH TV/CATV Tuner	. 10
Auto Daylight Saving Time	
Auto Operation Functions (Auto Playback, Rewind, Tape Eject, Power off)	
Auto Repeat Function	
Digital Auto Picture	. 13
Easy-to-Read English/Spanish/French On Screen Displays 10, 11, 18	
MTS Broadcast System (Multi-channel Television Sound-Stereo, SAP, Mono)	
One Minute Skip	. 16
One Month, 8 Program Timer Recording18	
One Touch Recording (OTR)	
Program Director Remote Control 18	, 19
Quick Play Mechanism	. 24
Rapid Tune	. 15
Special Effects Playback	13
Special VCR Features (VCR Lock, Warning Beeper)	21
VHS Hi-Fi Stereo System	. 23
Zero Search	16

VCR and Cassette Information

Erase Protection (Record Tab)

Cassettes have a record tab to ensure that recordings are not accidentally erased.

To prevent accidental erasure, break off the tab with a screwdriver.



To record again, cover the hole with cellophane tape.



Maximum Record/Playback Time

Only use tapes with the WHS mark in this unit.

Tape Speed	Type of Video Cassette		
Position	T60	T120	T160
SP (Standard Play)	1 Hour	2 Hours	2 Hours 40 Minutes
LP (Long Play)	2 Hours	4 Hours	5 Hours 20 Minutes
SLP (Super Long Play)	3 Hours	6 Hours	8 Hours

Cleaning Care for Video Heads



or

Blue Back

(During playback of pre-recorded tape)

Clogged Video **Head Picture**

Blue Back Screen

Clogged Video Heads

While your VCR will not normally require head cleaning, however the heads may become clogged when playing an old or damaged tape. If the image on your screen resembles the illustration on the left or the screen becomes solid blue when playing back a pre-recorded signal on the tape, the heads probably require cleaning.

Cleaning the Heads

It is recommended that head cleaning be performed by a qualified service technician. Please contact your nearest Panasonic Service Center. An alternate solution is to obtain a head cleaning cassette. Be sure to follow the cleaning instructions carefully. Excessive use of a cleaning cassette could shorten head life. Use this cassette only when symptoms occur.

Reset all VCR Memory Functions

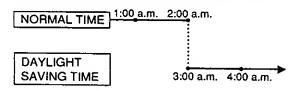
This operation is convenient when moving the VCR to a new location, or if a mistake was made in the One Time VCR Setup section. Make sure a tape is not inserted in the VCR.

- 1) Turn VCR Power on.
- 2) Press and hold both Play and Rewind buttons on the VCR for more than 5 seconds.
 - · The power will shut off.
- Perform the One Time VCR Setup section on page 10.

D.S.T. (Daylight Saving Time)

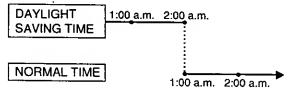
Spring:

First Sunday in April (DAYLIGHT SAVING TIME:AUTO) Automatically adds one hour and adjusts the clock.



Autumn:

Last Sunday in October (DAYLIGHT SAVING TIME: AUTO) Automatically turns back one hour and adjusts the clock.



Product Specifications

Power Source:

120V AC, 60 Hz

Power Consumption: Approx. 23 watts (Power on)

Video Signal:

Approx. 7 watts (Power off)

Video Recording System: 4 rotary heads helical

EIA Standard NTSC color

scanning system

Audio Track:

1 track (Normal)

2channel (Hi-Fi Audio Sound)

CATV Channels:

Broadcast Channels: VHF 2~13, UHF 14~69 Midband A through I (14~22)

Superband J through W

(23~36)

Hyperband AA~EEE (37~64) Lowband A-5~A-1 (95~99) Special CATV channel 5A (01) Ultraband 65~94, 100~125

Operating Temperature: 41°F~104°F (5°C~40°C)

Operating Humidity: 10%~75%

8.2 lbs. (3.7 Kg)

Weight: **Dimensions:**

14-3/16" (W) X 3-1/2" (H) X

11-1/4" (D)

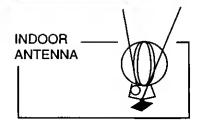
360 (W) X 89 (H) X 285 (D) mm

Note: Designs and specifications are subject to change

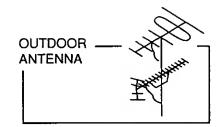
without notice.

Basic Connection

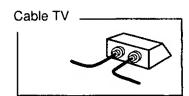
ANTENNA

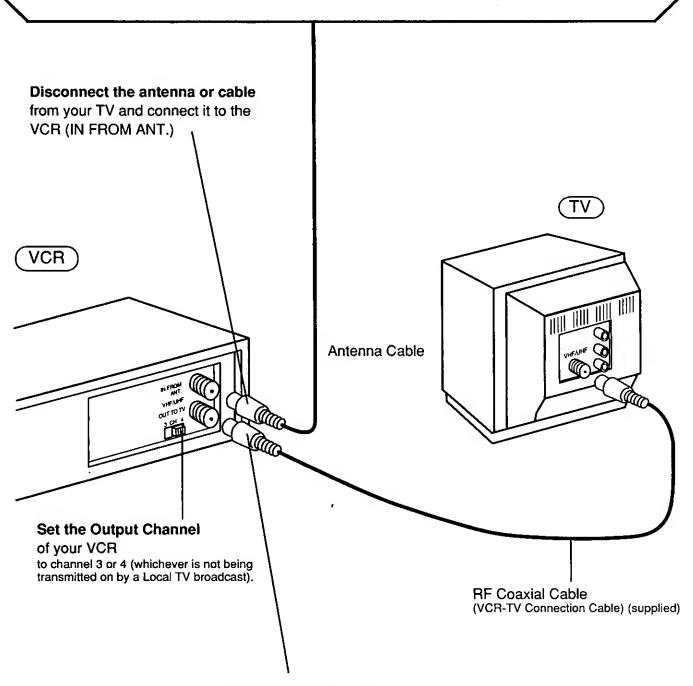


or



or

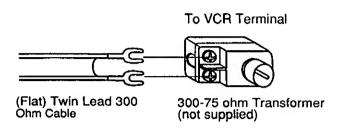




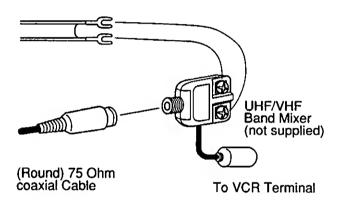
Connect the VCR to your TV with the RF Coaxial Cable (OUT TO TV).

Between Antenna and VCR

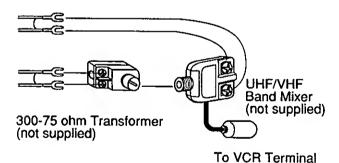
Case 1: Twin Lead Cable Only



Case 2: Twin Lead & Coaxial Cables



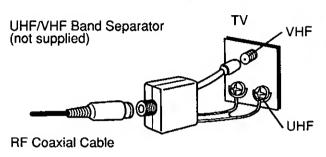
Case 3: Two Twin Lead Cables



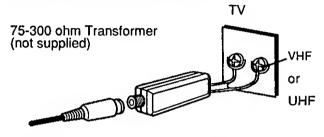
 If your TV has both post and screw-type VHF terminals, using the post connection is recommended to minimize signal loss.

Between VCR and TV

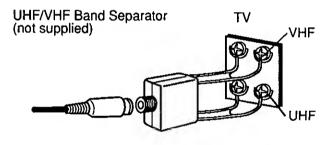
Case 1: Screw & Plug Type Terminal



Case 2: Screw Type Terminal

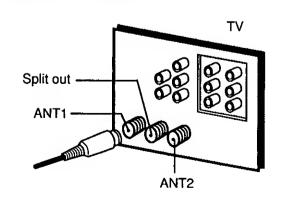


Case 3: Double Screw Type Terminal



Case 4: Complex TV Terminal

TERMINALS ON BACK OF TV SET



 Connect to one of the ANT terminals and select the same antenna number on the TV.

Additional Connections

CATV(Cable) Connections

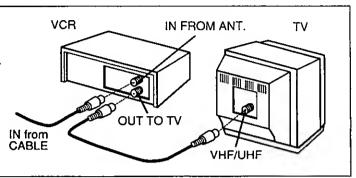
All connections on this page are made with 75 Ohm coaxial cables.

Without a Converter/Descrambler Box

You can:

- 1) Use your VCR Remote Control to select channels.
- Program one or more unscrambled channels for unattended recording.

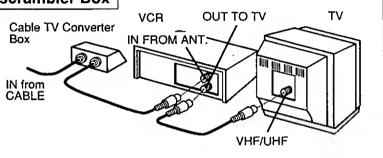
NOTE: You cannot record or view scrambled channels with this connection.



With a (CABLE to VCR) Converter/Descrambler Box

You can:

- Record and view any channel including scrambled channels; channel selection must be made at the Cable TV Converter Box.
- Program one channel for unattended recording.

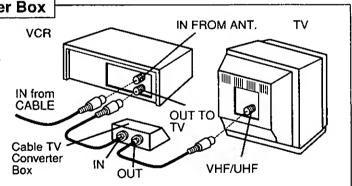


With a (VCR to TV) Converter/Descrambler Box

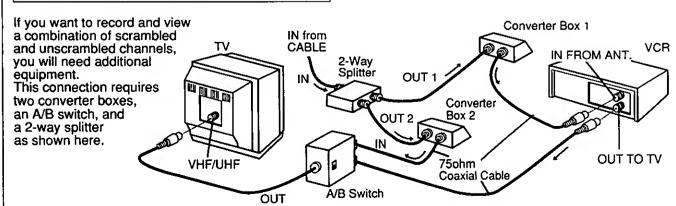
You can:

- 1) Use your VCR Remote Control to select channels.
- Program unattended recordings of more than one unscrambled channel.

NOTE: You cannot record scrambled channels with this connection.

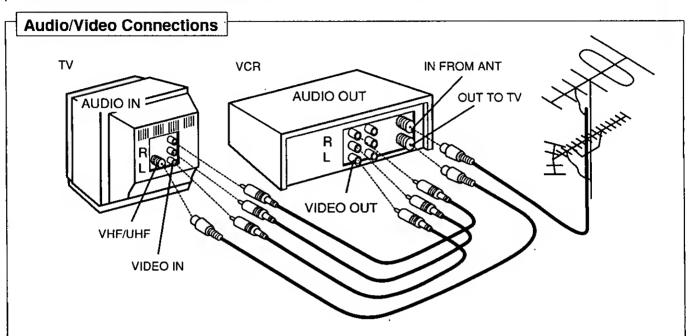


With Two Converter/Descrambler Boxes



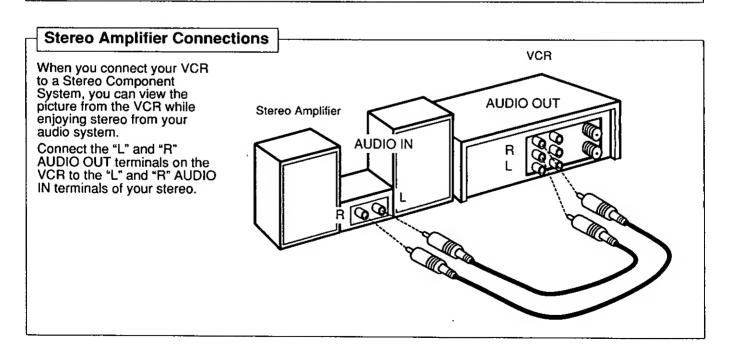
Audio/Video Connections

If your TV has AUDIO IN and VIDEO IN terminals, you can connect your VCR to them to receive a higher quality picture and sound. The antenna-VCR and VCR-TV connection is as shown.



- 1 Connect the VIDEO OUT terminal on the VCR to the VIDEO IN terminal of your TV.
- 2 Connect the "L" and "R" AUDIO OUT terminals on the VCR to the "L" and "R" AUDIO IN terminals of your TV.
- 3 Set the VIDEO/TV selector of your TV (Monitor/Receiver) to "VIDEO."

NOTE: To use your TV as a VCR monitor, set the VIDEO/TV selector on the TV (Monitor/Receiver) to "VIDEO."



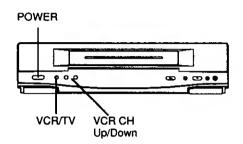
Note to CATV system installer:

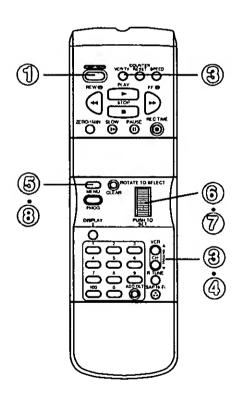
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC in USA (and to the Canadian Electrical code in Canada) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

One Time VCR Setup

When the VCR power is first turned on, the language select and channel auto set screen appear automatically followed by a prompt to set the clock.







To Set Language, Channel and Clock



Turn TV on and VCR on.

TV is set to VCR channel (the Same one you set on the back of the VCR CH3 or CH4.) (See page 6.)





Push VCR CH ▲ for English on-screen displays.



Push VCR CH ▼ for Spanish on-screen displays

VCR/TV

Push VCR/TV for French on-screen displays.

This screen appears a few seconds later.-

 If you use a cable box, it must be left on for auto channel set.





Push VCR CH ▲ to start Channel Auto Set.

 The following on-screen displays appear in sequence: "CH AUTO SET COMPLETED"
 "PLEASE SET CLOCK BY PUSHING MENU KEY"





Push MENU to display the SET CLOCK screen.

 Make entries within 5 minutes, or the VCR exits the Set Clock screen.



SELECT LANGUAGE

PUSH VCR CH A: ENGLISH

PULSE VCR CH ▼: ESPAÑOL

If you set the wrong

language, see the "Reset all VCR Memory Functions"

You can also set by

CHANNEL AUTO SET

CONNECT ANTENNA CABLE AND IF YOU USE A CABLE BOX, TUNE IT TO YOUR LOCAL PBS CH THEN...

PLEASE PUSH CH UP KEY

section on page 5.

using the same buttons on the VCR.

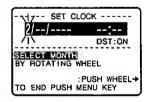
: FRANÇAIS

APP. VCR/TV





Rotate and push the WHEEL to select and set the MONTH.



Using the Select/Set Wheel

There are basically two types of Wheel operation.

Selecting items from an on-screen display.

Entering information, such as setting the clock.

OPERATION

Rotate (up or down)





to make selection to enter selection



Rotate and push the WHEEL to set remaining items at right.

- The day of the week automatically appears.
- See page 5 for more on D.S.T.

Remaining items to be set:

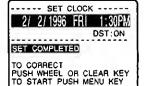
- Date
- Year
- Time
- D.S.T.

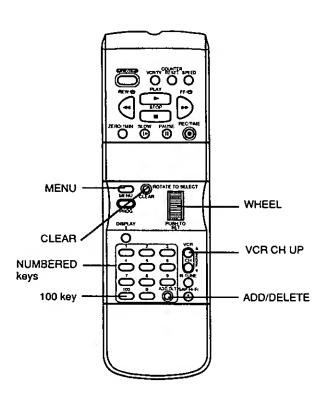
(Daylight Saving Time)





Push MENU twice to start the clock and exit this mode.

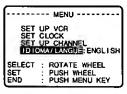




To Change On Screen Display Language

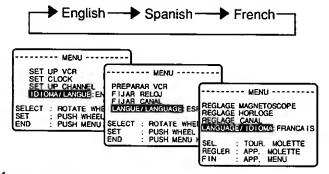
1 Push MENU to display the menu.

Rotate the Wheel to select the language selection item. (English: LANGUAGE, Spanish: IDIOMA, French: LANGUE).



3 Push the Wheel to change the language.

· Each Push will change the language in the order shown.



4 Push MENU to exit this mode.

To Replace Channels in Memory

Example, if you have cable installed, etc.

1 Push MENU to display the menu.

Rotate and push the Wheel to select SET UP CHANNEL from menu, and then push to set your antenna system

(TV or CATV).

3 Rotate and push the Wheel to select AUTO SET.

4 Push VCR CH ▲ to start Channel Auto Set.

· To exit this mode, push MENU twice.

-- SET UP CHANNEL ---ANTENNA SYSTEM : CATV AUTO SET SELECT : ROTATE WHEEL SET : PUSH WHEEL END : PUSH MENU KEY

CHANNEL AUTO SET

CONNECT ANTENNA CABLE AND IF YOU USE A CABLE BOX, TUNE IT TO YOUR LOCAL PBS CH THEN...

PLEASE PUSH CH UP KEY

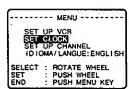
To Set or Reset the Clock

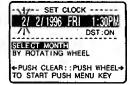
In case the clock is wrong, or a power failure occurred.

1 Push MENU to display the menu.

Rotate and push the Wheel to select SET CLOCK from menu, and then to set the time and date.

3 Push MENU twice to start the clock and exit this mode.





To Add or Delete a Channel

1 Select a channel using the NUMBERED keys.

2 Push ADD/DLT to add or delete the channel.

CHANNEL OS DELETED or ADDED

 To select a deleted channel, use the NUMBERED keys on the remote control. Deleted channels will flash in the Multi Function Display on the VCR when selected.

When Using the 100 key

When selecting CATV channels 100 to 125 with the NUMBERED keys, first push the 100 key and then enter the remaining two digits. For example, to select channel 125: Push NUMBERED keys 100, then 2, then 5.



- This VCR will accurately maintain its calendar up to Dec. 31, 2014, 11:59PM.
- Normal TV or Cable channels are automatically selected and placed in memory depending on how your VCR is hooked up.
- By Pushing the Wheel or CLEAR button repeatedly, you can skip forward or backward over correct entries and go directly to a specific item.



On Screen Displays (OSD)

Function & Channel Display

Whenever a function button is pushed (PLAY, FF, etc.) or the channel is changed, a 4 second OSD will appear first in large and then small characters.



----- MÉNU -----

SET UP VCR SET CLOCK SET UP CHANNEL IDIOMA/LANGUE:ENGLISH

SELECT : ROTATE WHEEL

Warning and Instruction Displays

These displays will alert you to a missed operation or provide further instructions.

If no active channels are found for CHANNEL MEMORY...

NO CH FOUND
PLEASE CHECK ANTENNA
CABLE CONNECTION THEN
PUSH VCR CHUP KEY AGAIN

Menu Screen

- 1 Push MENU to display the menu.
- 2 Rotate and push the wheel to make your selection (see page 10).
 - To get the most from each feature, it is recommended that you read the Operation Manual before attempting any operation.

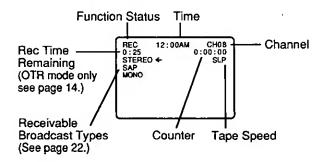
If you attempt to set or review a Timer Recording and the Clock is not set... PLEASE SET CLOCK
BEFORE PROGRAMMING

If a Timer Program was not completed before exiting the Program mode...

PROGRAM IS INCOMPLETE

VCR Status & Clock Display

Push DISPLAY to display and remove the overlay shown below.



After a Timer Program has been set...

TURN VCR OFF FOR TIMER RECORDING

If you push REC on the remote control or REC and PLAY on the VCR, and a cassette is inserted with no record tab...

CHECK CASSETTE RECORD TAB

If you push PLAY, FF, REW, or REC on the remote control or if you push REC and PLAY, PLAY, FF, REW, or REC on the VCR without a cassette inserted...

NO CASSETTE PLEASE INSERT A CASSETTE

Blank Tape and will be Blue Screen

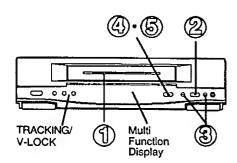
If a blank section of tape is encountered in the Play mode or the channel you select has no broadcast, the TV screen will change to a solid blue field. The screen will remain blue until a recorded signal is again detected or an active channel is selected.

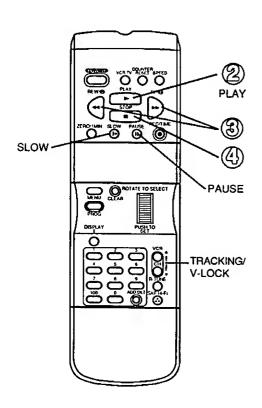
If you push POWER or STOP during a Timer Recording... (visible in VCR mode only) TO CANCEL TIMER REC PUSH POWER THEN STOP KEY

Playback a Tape

Check list before you begin

- All connections are made. (See pages 6~9.)
- TV and VCR are plugged in.
- TV is turned on and set to the VCR channel (CH 3 or 4).



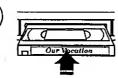


Caution:

Please inspect your cassette tape for any loose or peeling labels as it may become jammed in your unit.







Insert a cassette.

VCR power comes on automatically.

This indicator lights in the Multi Function Display.

-)v¢R(-



Push PLAY to start playback.

Playback begins automatically if cassette has no record tab.

(VCR or Remote Control)





or

(VCR or Remote Control)

Push REW or FF to quickly locate a scene.

- SP mode tapes have a search speed of 9 times and SLP mode tapes 27 times. the normal speed.
- · Some noise bars will appear during search.





Push STOP to stop playback.

(VCR or Remote Control)



Push STOP/EJECT to eject the cassette.

· This button only on VCR.

Special Effects During Playback

These features work best in SP or SLP mode. The sound will be muted. (After the VCR is in the still or slow mode for 3 minutes, it will go into the stop mode automatically to protect the tape and video head.)

Slow Motion Playback

Push SLOW to start and PLAY or SLOW to release the Slow mode.

Still (Freeze) Frame Picture

Push PAUSE to freeze and release the picture.

To reduce picture noise:

Place the VCR in Slow motion mode. Use TRACKING ▲/▼ to clear up the picture, then Push PAUSE.

Frame by Frame Advance

While in Still mode, hold down the SLOW button to advance the still picture one frame at a time. Push PAUSE to release.

Feature for a Quality picture

Digital Auto Picture

This feature automatically controls the video output signal for less noise depending on the tape condition.

Digital Auto Tracking

This feature continuously analyzes the signal and adjusts for optimum picture quality.

Manual Tracking Control

Use during Playback and Slow Motion mode to reduce picture noise. Push VCR CH (TRACKING) ▲/▼ buttons until the picture clears up. To return to Auto Tracking mode, push POWER off and then on again.

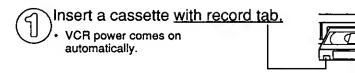
V-Lock Control

In Still mode, the VCR CH (TRACKING) ▲/▼ buttons operate as a V-Lock control to reduce jitter. Push ▲/▼until the picture is stabilized.

Record On a Tape

Check list before you begin.

- All connections are made. (See pages 6~9.)
- VCR is Plugged in.
- TV is turned on and set to the VCR channel (CH3 or CH4).

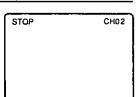






Push VCR CH ▲/▼ or NUMBERED keys to select a channel.

- Or, push CH ▲/▼ on the VCR.
- To record from an outside source, push VCR CH ▲/▼ to select "LINE" (see next page).



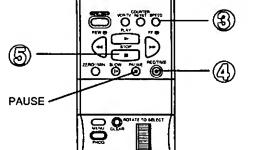




Push SPEED to change current recording speed.

SP = Standard Play, LP = Long Play, SLP = Super Long Play.





Multi Function Display





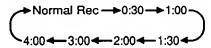
Push REC/TIME to start recording.

- · Or, push PLAY and REC/TIME on VCR.
- Push PAUSE to pause a recording in progress.
 (After the VCR has been in pause mode for 5 minutes, it will stop automatically to protect the tape and video head.)

One Touch Timer Recording (OTR)

The VCR starts recording and turns itself off at a preset time.

Continue to push REC/TIME to set the recording length. Each Push will change the stop time as shown.



- . "TIMER" lights in the Multi Function Display.
- The recording time remaining appears if the DISPLAY button is pushed during OTR mode.

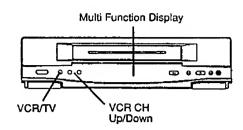


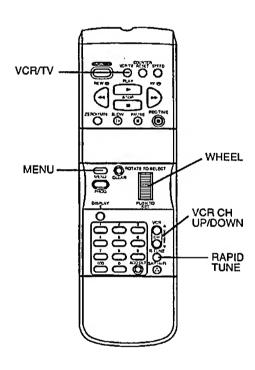


Push STOP to stop recording.

· Or, push STOP on the VCR.

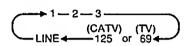
DISPLAY





Selecting the Input Mode

- 1 Push MENU to display the menu.
- 2 Rotate and push the Wheel to select "SET UP VCR."
- 3 Rotate the Wheel to select "INPUT SELECT" and then, push to choose TUNER or LINE.
 - You can also select "LINE" using the VCR CH ▲/▼ buttons. The numbers will change in the order shown.





----- MENU -----

SET UP VCF SET CLOCK SET UP CHANNEL IDIOMA/LANGUE:ENGLISH

 When LINE is selected, "L" is displayed in the Multi Function Display for about 4 seconds.

Watching Another TV Program

- 1 Push VCR/TV while recording is in progress to turn off the VCR indicator in the Multi Function Display.
- 2 Use the TV channel controls to select a program. The VCR will continue to record your program while you watch any channel you choose.
 - Switch back and forth between the recording and viewing channel with the VCR/TV selector.

Selecting Channels at the VCR

1 Turn TV on.

-ycr-

If indicator doesn't light, push VCR/TV to turn it on.

2 Use VCR CH Up/ Down buttons to select channels for viewing or recording.

Multi- Function

Display

 To resume TV control channel selection, push VCR/TV to turn VCR indicator off, or simply turn VCR off.

Rapid Tune

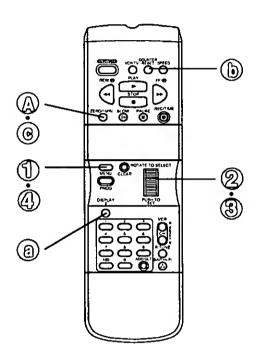
Push R-TUNE to display the last channel you were watching.

 When selecting channels with the VCR CH Up/Down buttons, channels must be displayed for at least 4 seconds in order for the VCR to recognize them as a new selection. Previous Present Channel Channel CH08 CH10



Tape Operation

Your VCR is equipped with several time saving features as well as convenient automatic functions which make tape operation easier than ever.



Repeat Play

You can set your VCR up to play a recording over and over.





Push MENU to display the menu.





Rotate and push the WHEEL to select SET UP VCR.





Rotate the WHEEL to select "REPEAT PLAY". then push to select "ON" or OFF "



---- SET UP VCR -----REPEAT PLAY ON ON TUNER

INPUT SELECT

SET AUDIO MODE SELECT : ROTATE WHEEL SET : PUSH WHEEL END : PUSH MENU KEY

The VCR plays to the end of a tape, or until a blank portion of 30 seconds or more is reached. (Érased portions of tape are not considered blank.) The tape is then automatically rewound and played again and again until Repeat Play is cancelled. All function buttons (REW, FF, etc.) are operational during Repeat Play.





Push MENU twice to leave this screen.

One Minute Skip

With this feature, you can skip over commercials recorded on a tape.



Push ZERO/1MIN in Play mode.

 The VCR will go into FF search mode and skip over 60 seconds of recorded time. Then, normal playback will resume.

Auto Operation Functions

Auto Playback

When a tape is inserted, the power comes on (Auto). If the record tab* is removed, playback begins (Auto).

Auto Rewind

After a tape reaches its end during playback, fast forward or manual record, the VCR will rewind and go into Stop mode.

Playback Auto Eject

After a tape without a record tab* is played to its end, the VCR will rewind and then eject the tape.

Memory Rewind Off

When the POWER button is pushed during rewind, the VCR will turn off after rewind is complete.

Eject Cassette

A cassette may be ejected with power on or off.

For record tab information, see page 5.

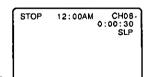
Zero Search

You can reset the Time Counter to zero and then return to that point.



DISPLAY

Push DISPLAY to display the Time Counter overlay.





Push COUNTER RESET to reset the Time Counter.

This may be done at as many places as you wish on the tape. 12:00AM 0:00:00 SLP



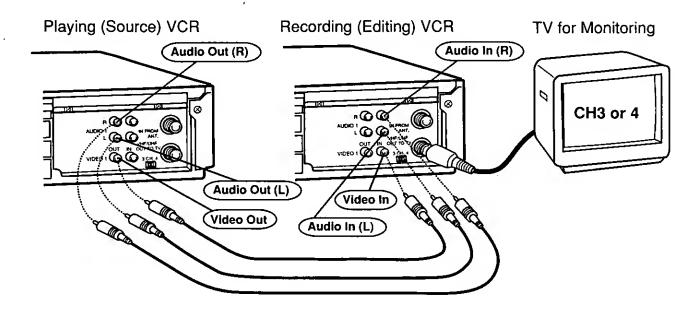
ZERO/1MIN

Push ZERO/1MIN in Stop mode.

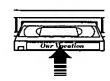
The VCR will go into FF or REW mode and stop at the last point the Time Counter was set to 0:00:00.

Copying Your Tapes (Dubbing)

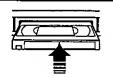
Connections you'll need to make.



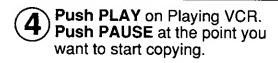
Insert a pre-recorded tape into the Playing (Source) VCR.



Insert a blank tape with record tab into the Recording (Editing) VCR.



Select Input "LINE" on the Recording (Editing) VCR. (See "Selecting the Input Mode" on page 15.)



- Push REC and PLAY at the same time on Recording VCR. Push PAUSE immediately.
- Push PAUSE on both VCRs (at the same time), to begin copying.

Edit Out Unwanted Parts
of the original recording by using the PAUSE button
(on the Recording unit) while copying is in progress.

Push STOP on both VCRs to stop copying.

To Monitor the Re-Recording

- 1 Turn the TV on and select its VCR channel (CH3 or CH4) on the Recording VCR.
- 2 Set the VCR/TV selector on the Recording VCR to the "VCR" position.

Caution:

Unauthorized exchanging and/or copying of copyrighted recordings may be copyright infringement.



6

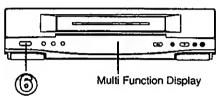
CLEAR

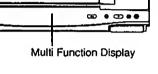
Timer Recording

Your VCR can be set up to do a recording while you are away or otherwise occupied. Up to 8 programs can be placed in memory. You can choose to record one time, dáily, or weekly.



- All connections are made.
 - (See pages 6~9.)
- TV and VCR are plugged in and turned on.
- VCR/TV selector is set to "VCR."
- Clock is set to correct time.
- Record tab in place. (See page 5.)









TUE, etc..

Rotate and push the WHEEL to select and set remaining items at right.

Push PROG to display

the program screen.

number.

Daily and Weekly Timer Recording

If a program is already in

memory, use the Wheel to

select an unused program

Rotate and push the

set the DATE.

If you want the program to be recorded daily

(Mon thru Fri), enter DAILY in place of the

DATE in step 2. If you want the recording to be on a weekly basis, enter WEEKLY MON,

WHEEL to select and

Remaining Items to be set:

START time

RATEL START

7 FRI --:-

WEEKI Y/SATI

WEEKLY(SUN)-

WEEKLY

MON

SELECT START DATE BY ROTATING WHEEL

:PUSH WHEEL+

Today's Date

Example

Wheel Selection Order

START STOP CH

DATE START STOP

SELECT START DATE

TO END PUSH PROG KEY

-CAILY -

STOP

CH

- STOP time
- CH(annel) number, or LINE for outside source recording.
- Speed (SP, LP, SLP).

To Make Corrections

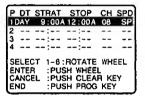
Repeatedly push the Wheel to move forward, or the CLEAR button to move back to the desired item. Then, select and set continue with step 3.





Push PROG to end the program.

· If you want to enter more programs, select a blank program number with Wheel and repeat steps 2 and 3.







Push PROG to exit this mode.





Push POWER off to set the timer.

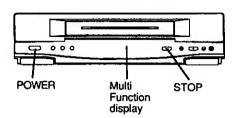
When recording programs via a cable box, make sure the cable box is left ON and tuned to the desired channel.

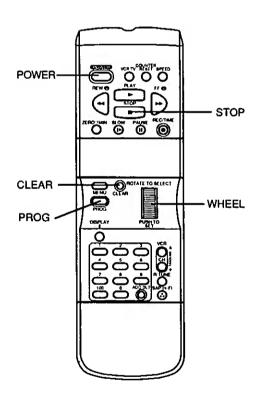


Multi Function Display



- If the cassette record tab is missing at the time the POWER is turned OFF, the tape ejects and the TIMER indicator flashes.
- If the start times of two programs overlap, the lower numbered program will have priority.
- If the start time for a timer recording comes up during a normal recording or One Touch Recording (page 14), the timer recording will not be performed.
- If there is a power interruption of more than one minute, the recording will not be performed or continue.
- · If "PROGRAM IS INCOMPLETE" appears on-screen in step 4, check all entries and make necessary corrections.



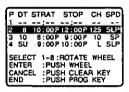


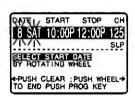
Cancel a Timer Recording: Recording is in progress

- 1 Push the POWER button to release the VCR from timer mode.
- 2 Push the STOP button within 10 seconds of pushing the POWER button to cancel the recording. The TIMER indicator goes out in the Multi- Function display.

Replace Program Contents: Recording is not in progress

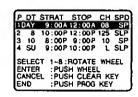
- 1 Push the PROG button to display all currently set programs.
- 2 Rotate and push the Wheel to select and enter the desired timer recording. (See page 18.)
- 3 Rotate and push the Wheel to select and enter replacement information.
- 4 Push the PROG button to exit this mode and return to the normal TV screen.

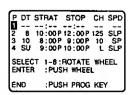


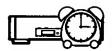


Review or Clear Program Contents: Recording is not in progress

- 1 Push the PROG button to display all currently set programs.
- 2 Rotate the Wheel to select the desired program number.
- 3 Push the CLEAR button to clear the program.
- 4 Push the PROG button to exit this mode and return to the normal TV screen.

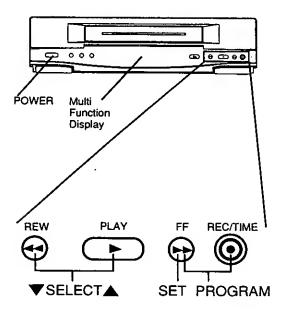






Timer Recording Using VCR Buttons

A timer recording can be set up using the buttons on the VCR. If necessary, the clock can also be set.







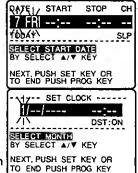
Hold down REC/TIME.

and



Push FF to enter the program mode.

• If the clock is not set, pushing these buttons will display the SET CLOCK screen. In this case, proceed with steps 2 and 3 to set the clock and then steps 2~6 to set a timer recording.



 Once the VCR is in the Program mode, the PLAY, REC, FF, and REW buttons on the VCR operate only as specified above.







Push REW or PLAY to make your selection.

(for down)

(for up)





Push FF to set and move on to the next item.

 Push SET (FF) repeatedly to move to a particular item for setting or correction.

Items to be Set:

- recording DATE
- START time
- STOP time
- CH(annel), or LINE
- SPEED (SP, LP, SLP)

When the program is completed...





and



Push REC/TIME and FF to display program contents.

(at the same time)

To set the next program,

repeat steps 2, 3, and 4 before continuing with step 5.





and



Push REC/TIME and FF to exit this mode.

(at the same time)





Push POWER off to set the timer.



Multi Function Display

- It is not possible to clear a timer program using the VCR buttons. Please use the Remote Control.
- When recording programs via a cable box, make sure the cable box is left on and tuned to the desired channel.

Special VCR Features

Check list before you begin.

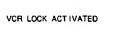
- Alt connections are made. (See pages 6~9.)
- ☐ VCR is Plugged in.
- TV is turned on and set to the VCR channel (CH3 or CH4).

VCR Lock Feature

When activated, this feature prohibits all operations except for timer recording, and tape eject. This is useful to prevent misoperation and protect your VCR from curious children.



Hold down STOP/EJECT on the VCR for 7 seconds during Stop, or Power OFF mode.



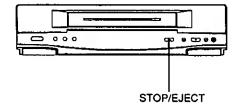
To Cancel the VCR Lock feature,



Hold down STOP/EJECT on the VCR for 7 seconds again during Stop, or Power OFF mode.



 VCR Lock mode is cancelled automatically after 24 hours when the clock is set.



Warning Beeper Feature

When you select BEEPER ON as described below, a short warning will sound each time an invalid entry or operation is made and a timer program is set.



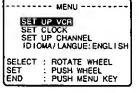


Push MENU to display the menu.





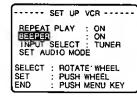
Rotate and push the WHEEL to select "SET UP VCR".







Rotate the WHEEL to select "BEEPER", then push to select "ON" or "OFF".







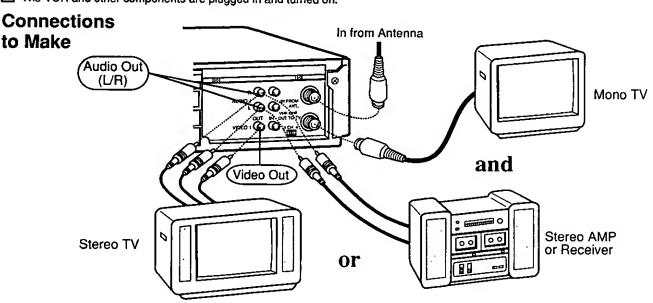
Push MENU twice to exit this screen.



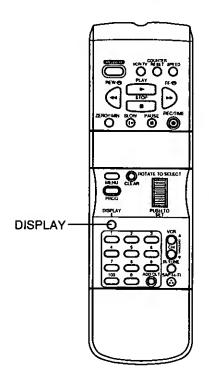
MTS Broadcast/ VHS Hi-Fi Stereo System

Check list before you begin

The VCR is connected to a stereo TV, or a mono TV and stereo amp or receiver with speakers.
 The VCR and other components are plugged in and turned on.



When recording, you may monitor in stereo, by connecting the VCR to either a stereo TV, or a mono sound TV with stereo amp and speakers.



Equipped with dbx -TV Noise Reduction for true MTS reproduction. dbx -TV Noise Reduction is required for good stereo separation and audio fidelity. dbx is a registered trademark, and is licensed by dbx Technology Licensing.

Receivable Broadcast Types

The following are possible broadcast types with their accompanying on-screen displays. The signal(s) not being received is enclosed in parenthesis. The currently selected audio mode is indicated with an arrow. To change the audio mode for listening to, or recording these broadcasts, follow the steps on page 23.

DISPLAY

Push DISPLAY to display the broadcast signal currently being received on-screen.

MTS Stereo and SAP broadcast

Multi-channel Television Sound Stereo (main language) and Second Audio Program (second language) broadcasts are being received simultaneously. Select the STEREO or SAP audio mode as desired.

MTS Stereo broadcast

Multi-channel Television Sound Stereo broadcast is being received.

SAP broadcast

Second Audio Program (second language) broadcast is being received. Select SAP audio mode for the second language.

MONO broadcast

Normal monaural sound broadcast is being received.

 If a stereo broadcast is weak and the display flickers, you may want to select the MONO audio mode for better results. STOP 12:00AM CH08
STEREO ← SLP
(SAP)
MONO

STEREO → SLP
(SAP)
MONO

STOP 12:00AM CH08
0:00:00
(STEREO)
SAP
MONO

STOP 12:00AM CH08
0:00:00
(STEREO)
SAP
MONO

STOP 12:00AM CH08
0:00:00
(STEREO)
SAP
MONO

STOP 12:00AM CH08

12:00AM

CH08 0:00:00 SLP

STOP

STEREO +

 When recording, the currently selected broadcast sound is always recorded on the left and right Hi-Fi tracks as well as the normal monaural track. This means your tapes can be played back on Hi-Fi as well as non-Hi-Fi VCRs.

With the proper audio mode setting, your VCR can:

- 1) record and playback an MTS stereo broadcast (main language) in stereo Hi-Fi.
- 2) record and playback a monaural broadcast (main language) or Second Audio Program (second language) on the Hi-Fi tracks for better quality monaural sound.
- 3) playback non Hi-Fi tapes in monaural.

Selecting the Audio Mode for Recording

Select the type of broadcast and sound track you wish to record.



SAP/Hi-Fi

Push SAP/Hi-Fi repeatedly (each press within 5 seconds) to select the desired audio mode (STEREO/SAP/MONO).

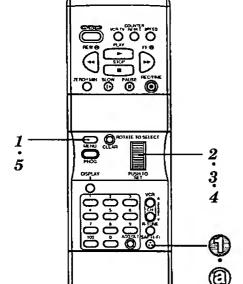
 Please refer to "Receivable Broadcast Types" section on previous page. STEREO ← SAP MONO

The currently selected audio mode is indicated with an arrow.



Do a recording.

See the "Record On a Tape" section on page 14.



Selecting the Audio Mode for Playback

Select the type of sound track you desire for playback.



SAP/Hi-Fi

Push SAP/Hi-Fi repeatedly (each press within 5 seconds) to select the desired audio mode (HIFI/NORMAL).

 Please select HIFI to listen to your stereo recordings with stereo sound or MONO for monaural sound. HIFI ← NORMAL

The currently selected audio mode is indicated with an arrow.



Playback the tape.

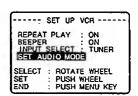
See the "Playback a Tape" section on page 13.



- When purchasing or renting prerecorded tapes, remember that only those recorded in Hi-Fi stereo will play back with true stereo sound. Standard stereo tapes will play back with monaural sound.
- In order to listen to Hi-Fi stereo playback, the VCR AUDIO (L/R) jacks must be connected to a stereo TV or stereo amp and speakers. (See previous page.)
- When adjusting the tracking during playback, the Hi-Fi audio sound may revert to normal audio sound. This is normal.
- There may be a difference in audio level between Hi-Fi and normal audio playback.

To Select Audio Mode From Menu

- $oldsymbol{I}$ Push MENU to display the menu.
- 2 Rotate and push the Wheel to select SET UP VCR from menu.
- 3 Rotate the Wheel to select SET AUDIO MODE.
- 4 Push the Wheel to set the desired audio for listening or recording.
 - · For recording, set to "STEREO", "SAP", or "MONO".
 - For playback, set PLAY AUDIO to "Hi-Fi", or "MONO".
- 5 Push MENU three times to exit this mode.



AUDIO MODE : STEREO
PLAY AUDIO : HIFT

SELECT : ROTATE WHEEL
SET : PUSH WHEEL
END : PUSH MENU KEY

Before Requesting Service

Check the following points once again if you are having some trouble with your VCR.

Power	Correction
No power	 Check that the Power Plug is completely inserted to an AC outlet. Check that the POWER button is set to on.
Recording & Playback	Correction
TV program can't be recorded	 Check the connections between the VCR, the external antenna, and your TV. Check that the band selected matches your antenna or cable TV system. (P.11) Make sure that the record tab on the back of the cassette is still intact. (P.5)
Timer recording can't be performed	 Set the recording start/stop times correctly. (P.18) Make sure that the POWER button is set to off. (P.18) Timer recording may not be performed or continued if a power interruption of more than 1 minute occurs before, or during, Timer Recording, even if power resumes thereafter.
There is no playback picture, or the playback picture is noisy or contains streaks	 Select the same channel on your TV as that of the Channel 3/4 switch located on the rear panel of the VCR. (P.6) Set the VCR/TV selector to "VCR". (P.13) Check that channel 3 or 4 of the TV is properly adjusted. Adjust the TRACKING control slowly in either direction. (P.13)
During special effects playback, the picture may contain some vertical jitter when using a TV which has an Automatic Vertical Hold Control	Set the TV's Vertical Hold Control to "MANUAL" and then adjust it.
If the top of your playback picture waves back and forth excessively	Because the VCR playback signal is not as stable as an off-the-air TV signal, the top of your TV screen may be bent or unstable during playback. To solve this problem, slowly turn the horizontal hold control on your TV to correct the wavy picture. If your TV does not have a horizontal hold control or adjusting the control does not help, please contact your local TV service center.
VCR can't be controlled	Make sure that VCR LOCK is set to off. (P. 21)
Remote Control	Correction
VCR can't be remote controlled	Aim the Remote Control directly at the remote sensor on the
	VCR. (Refer to Back Cover.) Avoid all obstacles which may interfere with the signal path. Inspect or replace the batteries (P.4). Make sure that VCR LOCK is set to off. (P. 21) Exposing the VCR remote sensorto direct fluorescent or outdoor light may cause signal interference.
Miscellaneous	 Avoid all obstacles which may interfere with the signal path. Inspect or replace the batteries (P.4). Make sure that VCR LOCK is set to off. (P. 21) Exposing the VCR remote sensorto direct fluorescent or outdoor
Miscellaneous You can't view programs normally on TV	 Avoid all obstacles which may interfere with the signal path. Inspect or replace the batteries (P.4). Make sure that VCR LOCK is set to off. (P. 21) Exposing the VCR remote sensorto direct fluorescent or outdoor light may cause signal interference.
	 Avoid all obstacles which may interfere with the signal path. Inspect or replace the batteries (P.4). Make sure that VCR LOCK is set to off. (P. 21) Exposing the VCR remote sensorto direct fluorescent or outdoor light may cause signal interference. Correction
You can't view programs normally on TV	 Avoid all obstacles which may interfere with the signal path. Inspect or replace the batteries (P.4). Make sure that VCR LOCK is set to off. (P. 21) Exposing the VCR remote sensorto direct fluorescent or outdoor light may cause signal interference. Correction Set the VCR/TV selector to "TV". (P.15) Insert the cassette with the window side up and the record tab
You can't view programs normally on TV Video cassette can't be inserted	 Avoid all obstacles which may interfere with the signal path. Inspect or replace the batteries (P.4). Make sure that VCR LOCK is set to off. (P. 21) Exposing the VCR remote sensorto direct fluorescent or outdoor light may cause signal interference. Correction Set the VCR/TV selector to "TV". (P.15) Insert the cassette with the window side up and the record tab facing you.
You can't view programs normally on TV Video cassette can't be inserted Video cassette can't be removed Video cassette ejects when the REC and PLAY buttons are pushed or when the POWER button is	 Avoid all obstacles which may interfere with the signal path. Inspect or replace the batteries (P.4). Make sure that VCR LOCK is set to off. (P. 21) Exposing the VCR remote sensorto direct fluorescent or outdoor light may cause signal interference. Correction Set the VCR/TV selector to "TV". (P.15) Insert the cassette with the window side up and the record tab facing you. Check that the power plug is completely connected to an AC outlet. Make sure the record tab on the back of the cassette is still intact.

Spanish Quick Use Guide/Guía para rápida consulta

Para fijar el idioma, canal y reloj



Encienda el televisor y la videograbadora.

El televisor debe estar fijado al mismo canal que ha seleccionado en la parte trasera de la videograbadora (canal 3 o 4).





Oprimir VCR CH A para elegir el idioma de la pantalla en inglés.



Q

Oprimir VCR CH ▼ para elegir el idioma de la pantalla en español.



Oprimir VCR/TV para elegir el idioma de la pantalla en francés.

Esta pantalla aparecerá en unos segundos.→



Oprimir VCR CH A para iniciar la fijación automática de los canales.

CONECTÉ EL CABLE DE LA ANTENA Y SI ESTA USANDO UNA CAJA DE TV POR CABI SINTONICE AL CANAL PBS DE SU LOCALK LUEGO...

AUTOPROGRAMAR CANAL

SELECT LANGUAGE

PUSH VCR CH A: ENGLISH

PULSE VCR CH V: ESPAÑOL

APP. VCR/TV : FRANCALS

Ud. podrá fijar

también usando los mismos

ubicados en la

videograbadora.

botones que están

POR FAVOR OPRIMIR CH UP

- FIJAR RELOJ --VEN

GIRANDO LA RUEDA

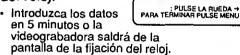
VERANO : ACT

 Las siguientes informaciones aparecerán seguidamente: "AUTOPROGRAMACION COMPLETO" "POR FAVOR FIJE RELOJ CON LA TECLA MENU"

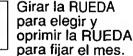




Oprimir MENU para que apareza la pantalla de fijación del reloi.











Girar Ipara elegir y oprimir la RUEDA para fijar las fijaciones que están a la derecha.

El día de la semana

Oprimir MENU dos veces para iniciar a

funcionar el reloj y

salir desde este

modo.

Fijaciones:

- Fecha Año
- Hora D.S.T.
- (Hora veraniega)

aparece automáticamente.

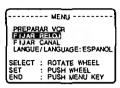


PARA CAMBIAR PULSE LA RUEDA O CLEAR PARA INICIAR PULSE MENU

Fijación o cambio de la hora

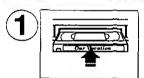
En caso de que el reloi está incorrecto o ha ocurrido un corte eléctrico.

- 1 Oprimir MENU para que aparezca la pantalla del menú.
- 2 Girar y oprimir la RUEDA para elegir la pantalla de la fijación del reloj y luego fijar la hora y la fecha.
- 3 Oprimir MENU dos veces para iniciar a funcionar el reloi y salir desde este modo.





Operaciones básicas para la reproducción



Introducir una cinta

La videograbadora se enciende automáticamente.



Esta indicación aparece en la pantalla multifuncional.



Oprimir PLAY para comenzar a reproducir.

Si la cinta no tiene la lengüeta para evitar borrado la videograbadora comienza a reproducir automáticamente.

.(Videograbadora o Control Remoto)





Oprimir REW o FF para localizar rápidamente una escena.

(Videograbadora o Control Remoto)

- · La velocidad de búsqueda en el modo SP es a 9 veces más rápida que la velocidad normal y en el mode SLP es a 27 veces más rápida.
- Durante la búsqueda aparece alguna barras du ruido.





Oprimir STOP para parar la reproducción.

(Videograbadora o Control Remoto)

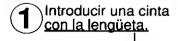


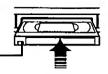
Oprimir STOP/EJECT para expulsar la cinta.

Este botón se encuentra solamente en la videograbadora.

Spanish Quick Use Guide/Guía para rápida consulta

Operaciones básicas para la grabación



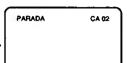


 La videograbadora se enciende automáticamente.





Oprimir VCR CH **▲**/▼ para elegir el canal.



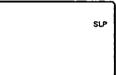
 U oprimir CH ▲/▼ en la videograbadora.

 Para grabar desde una fuente externa, oprimir VCR CH ▲/▼ para seleccionar "LINEA"





Oprimir SPEED para cambiar la velocidad de la cinta.



 SP = Reproducción estándar, LP = Larga duración, SLP = Superlarga duración.





Oprimir REC/TIME para empezar a grabar.

 U oprimir PLAY y REC/TIME en la videograbadora.

Grabación de un toque (OTR)

La videograbadora termina la grabación a una hora programada.

Oprima sucesivamente REC/TIME para fijar el tiempo de la grabación.

Cada presión cambiará la hora de parada como demuestra al siguiente.

 La indicación TIMER aparece en la pantalla multifuncional.





Oprimir STOP para parar la grabación.

 U oprimir STOP en la videograbadora.

- Si mantiene oprimiendo el botón de VCR CH A/V aumentará la velocidad del cambio del canal.
- Oprimir PAUSE para hacer una pausa en la grabación en progreso.

Programación fácil para la grabación con temporizador



Oprimir PROG para que aparezca la pantalla de la programación.

 Si ya existe una programación, elija usando la rueda un número sin programación.





Girar y oprimir la RUEDA para elegir y fijar el fecha.



Grabación diaria y semanal

Si ud. desea programar una grabación diaria (lunes a viernes), elija DIARIO en vez de la fecha en el paso 2. Si sesea una grabación semanal, elija SEMANAL LUN, MAR, etc.







Girar y oprimir la RUEDA para elegir y fijar las fijaciones a la derecha.

Filaciones:

- Hora de inicio Hora de parada
- · Canal o LINEA para una fuente externa .
- · Velecidad de la cinta (SP, LP, SLP).

Para hacer correcciones

Oprimir la rueda sucesivamente para avanzar u oprimir CLEAR para retroceder hasta el paso que desea corregir.





Oprimir PROG para terminar la programación.

 Si desea hacer más programaciones, elija un número de programa en blanco con la rueda y repita los paso 2 y 3.







Oprimir PROG para salir desde este modo.



Oprimir POWER y apaque el aparato para la grabación con temporizador.

-) |

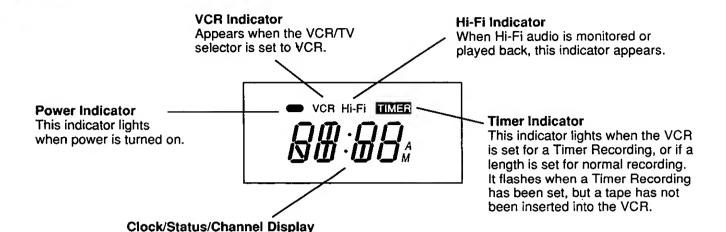
Pantalla

multifuncional

 Si la fuente de la grabación es una caja de TV por cable, asegúrese de que la caja de TV por cable esté encendido y esté sintonizado al canal que desea grabar.

Index of Controls

Multi Function Display

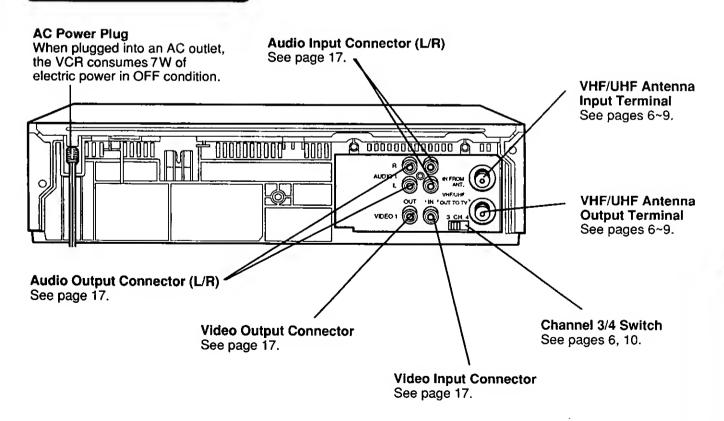


Briefly displays VCR status when function button is pressed. Also, briefly displays the channel number selected, "L" when

channel button is pressed or select a line input.

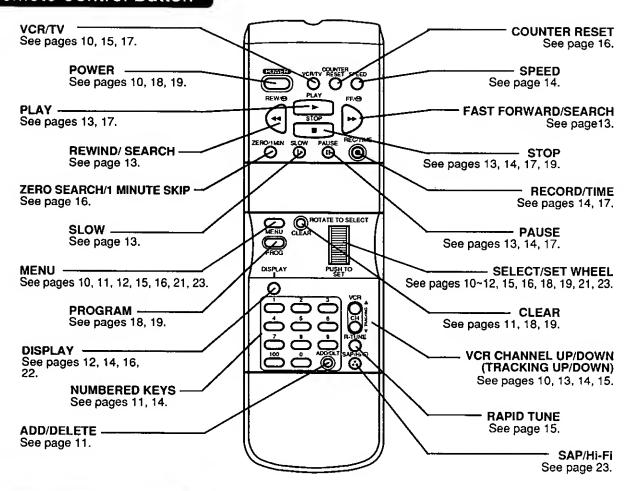
Rear View of the VCR

Displays the current time.

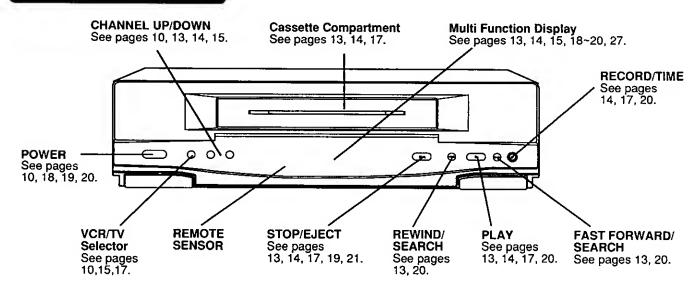


Index of Controls

Remote Control Button



Front View of the VCR



Matsushita Consumer Electronics Company, Division of Matsushita Electric Corporation of America One Panasonic Way Secaucus, New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc. ("PSC") Ave. 65 de Infanteria. Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

